

***NATIONAL WEATHER SERVICE INSTRUCTION 10-502
MAY 15, 2003***

***Operations and Services
Public Weather Services, NWSPD 10-5***

NATIONAL STATEMENTS, SUMMARIES, TABLES PRODUCTS SPECIFICATION

NOTICE: This publication is available at: <http://www.nws.noaa.gov/directives/>

OPR: W/OS22 (A. Thomas)
Type of Issuance: Routine

Certified by: W/OS22 (G. Austin)

SUMMARY OF REVISIONS: This directive supercedes NWSI 10-502, “National Statements, Summaries, Tables Products Specification”, dated October 1, 2002. This directive modifies some Mass News Disseminator (MND) headers and adds a "\$\$" to the end of all products to ensure compliance with NWSI 10-1701. It also modifies two AWIPS IDs (TPTINT becomes TPTNAM and TPTEUR becomes TPTINT) to make them more representative of product content. Finally, this directive alphabetizes city names within each product for better readability.

_____ signed	_____ 4/30/03
Gregory A. Mandt Director, Office of Climate, Water, and Weather Services	Date

National Statements, Summaries, Tables Products Specification

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1. **Introduction**. This procedural instruction describes various tables and summaries of national and international interest. The products are generated by the NWS Telecommunication Operations Center, the National Centers for Environmental Prediction, and selected NWS Weather Forecast Offices.

2. **Hourly Temperature/Weather Summaries, United States {product categories TPT(ERN,CRN,WRN)}.**

2.1 **Mission Connection**. These products contain the latest weather conditions and temperatures for selected United States cities. Separate hourly collectives are issued for cities in the eastern, central, and western United States. These products are for general public use domestically and internationally.

2.2 **Issuance Guidelines**.

2.2.1 **Creation Software**. TPT(ERN,CRN, WRN) collectives are automatically compiled by the National Weather Service Telecommunications Gateway (NWSTG) software.

2.2.2 **Issuance Criteria**. These are routine, scheduled products.

2.2.3 **Issuance Time**. TPT (ERN, CRN, WRN) collectives are generated hourly and transmitted by approximately 30 minutes past the hour.

2.2.4 **Valid Time**. These products are valid upon transmission.

2.2.5 **Product Expiration Time**. Products expire with the next issuance.

2.3 **Technical Description**. The TPT (ERN, CRN, WRN) collectives will follow the format and content described in this section.

2.3.1 **MND Broadcast Line**. Not applicable.

2.3.2 **MND Header**. The MND Headers for TPT(ERN, CRN, WRN) are: “HOURLY TEMPERATURE/WEATHER FOR EASTERN UNITED STATES,” “HOURLY TEMPERATURE/WEATHER FOR CENTRAL UNITED STATES,” and “HOURLY TEMPERATURE/WEATHER FOR WESTERN UNITED STATES,” respectively.

2.3.3 **Content**. TPT(ERN, CRN, WRN) provide general weather conditions and temperatures in degrees Fahrenheit (°F) and degrees Celsius (°C), every hour for selected cities in United States. Specific cities for the eastern United States collective (TPTERN) are listed below in the product example. Cities in the other two collectives are listed below the example.

2.3.4 Format. Example of TPTERN Message (format identical for other collectives):

ABUS24 KWBC 141430
TPTERN

HOURLY TEMPERATURE/WEATHER FOR EASTERN UNITED STATES
NWS TELECOMMUNICATION OPERATIONS CENTER SILVER SPRING MD
900 AM EST TUE JAN 14 2003

CITY	F	C	WEATHER
ALBANY NY	46	8	FAIR
ATLANTA	62	17	CLDY
BOSTON	51	11	FAIR
BUFFALO	44	7	PCLDY
CARIBOU	42	6	PCLDY
CHARLESTON SC	68	20	MISTY
CHATTANOOGA	57	14	FAIR
CINCINNATI	64	18	HAZE
CLEVELAND	48	9	CLDY
DETROIT	44	7	CLDY
HATTERAS	69	21	FAIR
JACKSONVILLE	66	19	MISTY
KEY WEST	77	25	CLDY
KNOXVILLE	57	14	MISTY
MACON	60	16	FAIR
MIAMI	77	25	CLDY
NEW YORK	59	15	CLDY
PHILADELPHIA	60	16	PCLDY
PITTSBURGH	48	9	CLDY
PORTLAND ME	48	9	WINDY
RICHMOND	68	20	FAIR
TAMPA	69	21	CLDY
WASHINGTON DC	66	19	PCLDY

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TPTCRN (ABUS25 KWBC)-
Birmingham
Bismarck
Chicago
Denver
Des Moines
Fort Worth
Galveston

Indianapolis
Kansas City
Little Rock
Louisville
Memphis
Minneapolis/St. Paul
Nashville
New Orleans

North Platte
Oklahoma City
Omaha
Rapid City
St. Louis
San Antonio
Sault Ste. Marie

TPTWRN (ABUS23 KWBC)-
Albuquerque
Anchorage
Boise
Casper
Fairbanks
Great Falls

Honolulu
Las Vegas
Los Angeles
Medford
Pendleton
Phoenix
Portland

Reno
Salt Lake City
San Diego
San Francisco
Seattle
Spokane

2.4 Updates, Amendments, and Corrections. These products are not updated or amended. Corrections are made as necessary.

3. **Canadian Temperature and Precipitation Table (product category TPTCAN).**

3.1 Mission Connection. This product contains highest and lowest temperatures, precipitation amounts, and the current weather for selected Canadian cities. It provides general weather conditions two times per day for general public use domestically and internationally.

3.2 Issuance Guidelines.

3.2.1 Creation Software. TPTCAN is automatically compiled and transmitted by the NWS Telecommunications Gateway (NWSTG).

3.2.2 Issuance Criteria. This is a routine, scheduled product.

3.2.3 Issuance Time. TPTCAN is transmitted twice daily at about 0200 and 1400 UTC.

3.2.4 Valid Time. The product is valid upon transmission.

3.2.5 Product Expiration Time. The product expires with the next issuance.

3.3 Technical Description. The TPTCAN will follow the format and content described in this section.

3.3.1 MND Broadcast Line. Not applicable.

3.3.2 MND Header. The MND Header for TPTCAN is "CANADIAN TEMPERATURE AND PRECIPITATION TABLE"

3.3.3 Content. TPTCAN provides general weather conditions at either 0000 UTC or 1200 UTC, high and low temperatures in degrees Fahrenheit (°F) and degrees Celsius (°C), and observed precipitation (in millimeters) for the last 24 hours for selected cities in Canada. The morning product contains the highest temperature for the previous day and the lowest temperature in the last 12 hours. The evening product contains the highest temperature for the last 12 hours and the lowest temperature during the last 18 hours. Specific cities are listed below in the product example.

3.3.4 Format. Example of TPTCAN Message (Morning Issuance):

ABCN01 KWBC 241315
TPTCAN

CANADIAN TEMPERATURE AND PRECIPITATION TABLE
NWS TELECOMMUNICATION OPERATIONS CENTER SILVER SPRING MD

800 AM EDT FRI MAY 24 2002

HIGHEST TEMPERATURE THURSDAY.
 LOWEST TEMPERATURE LAST 12 HOURS.
 LETTER B INDICATES A BELOW ZERO TEMPERATURE.
 PRECIPITATION FOR 24 HOURS ENDING AT 8AM EDT.

TEMPERATURES IN FAHRENHEIT AND CELSIUS

CITY	WEA	MAX		MIN		RAIN MM
		F	C	F	C	
CALGARY	CLDY	46	08	28	B02	T
CHARLOTTETOWN	CLDY	72	22	50	10	T
EDMONTON	PRECIP	55	13	39	04	T
FREDERICTON	CLDY	79	26	41	05	T
HALIFAX	PTCLDY	63	17	45	07	T
MONTREAL	CLDY	73	23	59	15	T
OTTAWA	CLDY	72	22	61	16	MISG
REGINA	PTCLDY	52	11	30	B01	.5
ST. JOHNS	FAIR	66	19	41	05	T
TORONTO	HAZE	73	23	63	17	T
VANCOUVER	FAIR	61	16	45	07	T
WINNIPEG	CLEAR	45	07	21	B06	T

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3.4 Updates, Amendments, and Corrections. This product not updated or amended.
 Corrections are made as necessary.

4. **Mexican Weather Roundup (product category SWRMX, WMO Header AXUS46 KSGX).**

4.1 Mission Connection. This product provides routine, standardized hourly observations for several locations in Mexico. It is generated by the NWS Weather Forecast Office in San Diego, California, to serve the general public both domestically and internationally.

4.2 Issuance Guidelines.

4.2.1 Creation Software. SWRMX is automatically created by the Automated Weather Information Processing System Hourly Weather Roundup program which decodes the Mexican Meteorological Terminal Air Report observations.

4.2.2 Issuance Criteria. This is a routine, scheduled product.

4.2.3 Issuance Time. SWRMX is transmitted approximately 10 -15 minutes after the hour.

4.2.4 Valid Time. This product is valid upon transmission.

4.2.5 Product Expiration Time. The product expires with the next issuance.

4.3 Technical Description. SWRMX will follow the format and content described in this section.

4.3.1 MND Broadcast Line. Not applicable.

4.3.2 MND Header. The MND Header for SWRMX is: "MEXICAN WEATHER ROUNDUP."

4.3.3 Content. The Mexican Weather Roundup is broken out by regions within Mexico (e.g., Baja California, Western Mexico, Yucatan Peninsula). SWRMX is set up to only report cities which are received. The product contains the following elements for each location: general sky/weather conditions; air temperature (°F); dew point temperature (°F); relative humidity; wind direction (N, NE, E, SE, S, SW, W, or NW) and speed in miles per hour; barometric pressure (inches of mercury) and pressure tendency, as applicable; and general remarks (e.g., fog, haze, horizontal visibility, wind chill/heat indices, etc.). As long as an observation is available the following cities may be contained in SWRMX:

Acapulco	Loreto	Reynosa
Aguascalientes	Los Cabos	S. Luis Potosi
C. Del Carmen	Los Mochis	Saltillo
Cabo	Manzanillo	San Lucas
Campeche	Matamoros	Santa Rosalia
Cancun	Mazatlan	Tampico
Chetumal	Merida	Tapachula
Chihuahua	Mexicali	Tepic
Ciud. Victoria	Mexico City	Tijuana
Ciudad Juarez	Morelia	Toluca
Colima	Minatitlan	Tux. Gutierrez
Cozumel	Monclova	Uruapan
Cuernavaca	Monterrey	Veracruz
Culiacan	Morelia	Victoria
Del Baji	Nuevo Laredo	Villahermosa
Durango	Oaxaca	Zacatecas
Guadalajara	P. Escondido	Zihuatanejo
Guaymas	Piedras Negras	
Hermosillo	Poza Rica	
La Paz		

	Pto. Vallarta	
Leon	Puebla	Queretaro

4.3.4 Format. Example of SWRMX Message:

AXUS46 KSGX 281410
SWRMX

MEXICAN WEATHER ROUNDUP
NATIONAL WEATHER SERVICE SAN DIEGO CA
700 AM PDT TUE MAY 28 2002

BAJA CALIFORNIA

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
LORETO	SUNNY	77	61	57	SE7	29.88	TC 25
LOS CABOS	SUNNY	79	59	50	NW9	29.86R	TC 26
MEXICALI	MOSUNNY	66	54	63	SE5	29.82	TC 19

NORTHWESTERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
CIUDAD JUAREZ	SUNNY	75	28	17	SW9	29.95R	TC 24
CULIACAN	SUNNY	77	64	65	CALM	29.85F	TC 25
GUAYMAS	SUNNY	66	57	72	CALM	29.92R	TC 19

NORTHEASTERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
CIUD. VICTORIA	MOSUNNY	79	68	69	S21	N/A	TC 26
REYNOSA	CLOUDY	79	75	89	SE6	29.90R	TC 26

WESTERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
COLIMA	SUNNY	79	64	61	CALM	29.85	TC 26
GUADALAJARA	MOSUNNY	64	55	72	CALM	30.09S	HAZE TC 18
MANZANILLO	MOSUNNY	79	72	78	CALM	29.81S	TC 26
MAZATLAN	SUNNY	73	66	78	N5	29.84R	TC 23
PTO. VALLARTA	PTSUNNY	75	70	83	N6	29.86R	TC 24
TEPIC	MOSUNNY	63	57	82	CALM	30.03R	TC 17
URUAPAN	PTSUNNY	64	59	82	CALM	30.09R	HAZE TC 18

CENTRAL MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
MEXICO CITY	PTSUNNY	61	32	33	NE5	30.29S	TC 16
MORELIA	PTSUNNY	68	52	56	CALM	30.18	TC 20
POZA RICA	PTCLDY	77	73	88	CALM	29.83R	HAZE TC 25
PUEBLA	MOSUNNY	54	37	54	NW7	30.23S	TC 12
QUERETARO	MOSUNNY	66	55	68	E5	30.18S	TC 19
S. LUIS POTOSI	PTSUNNY	82	75	78	CALM	29.90R	TC 28
TAMPICO	MOSUNNY	82	73	74	SE7	29.84F	TC 28
TOLUCA	MOSUNNY	55	41	58	CALM	30.31R	HAZE TC 13
VERACRUZ	PTSUNNY	79	73	83	CALM	29.89R	TC 26

SOUTHERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
OAXACA	CLOUDY	68	46	45	N5	30.15S	TC 20
TAPACHULA	PTSUNNY	77	75	94	E7	29.84	TC 25
TUX. GUTIERREZ	MOSUNNY	70	64	83	N5	30.03S	TC 21
VILLAHERMOSA	MOSUNNY	82	75	78	CALM	29.85S	HAZE TC 28
ZIHUATANEJO	PTSUNNY	81	73	78	CALM	29.87	TC 27

YUCATAN PENINSULA

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
CAMPECHE	SUNNY	81	73	78	E7	29.91S	TC 27
CANCUN	MOSUNNY	84	73	70	NE9	29.88R	TC 29
CHETUMAL	PTSUNNY	81	77	89	NW9	29.90R	TC 27
C. DEL CARMEN	MOSUNNY	82	75	78	E12	29.86S	TC 28
COZUMEL	MOSUNNY	86	77	74	NE9	29.89R	TC 30
MERIDA	SUNNY	81	70	69	NE9	29.86S	TC 27

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4.4 Updates, Amendments, and Corrections. This product is not updated or amended. Corrections are made as necessary.

5. **Latin America and Caribbean Hourly Weather Roundup (product category SWRMX, WMO Header ASUS45 KEWX).**

5.1 Mission Connection. This product provides routine, standardized hourly observations for several locations in Mexico, Central America, and the Caribbean. It is generated by the NWS Weather Forecast Office in Austin/San Antonio, Texas, to serve the general public both domestically and internationally.

5.2 Issuance Guidelines.

5.2.1 Creation Software. The Latin America and Caribbean Hourly Weather Roundup is automatically created by the Automated Weather Information Processing System Hourly Weather Roundup program which decodes the Mexican, Central American, and Caribbean Meteorological Terminal Air Report observations.

5.2.2 Issuance Criteria. This is a routine, scheduled product.

5.2.3 Issuance Time. The Latin America and Caribbean Hourly Weather Roundup is transmitted approximately 10-15 minutes after the hour.

5.2.4 Valid Time. This product is valid upon transmission.

5.2.5 Product Expiration Time. The product expires with the next issuance.

5.3 Technical Description. The Latin America and Caribbean Hourly Weather Roundup will

follow the format and content described in this section.

5.3.1 MND Broadcast Line. Not applicable.

5.3.2 MND Header. The MND Header for this product is: "LATIN AMERICA AND CARIBBEAN HOURLY WEATHER ROUNDUP."

5.3.3 Content. In addition to selected locations in Central America and the Caribbean, the Latin America and Caribbean Hourly Weather Roundup is broken out by regions within Mexico (e.g., Baja California, Western Mexico, Yucatan Peninsula). The product is set up to only report locations which are received. The roundup contains the following elements for each location: general sky/weather conditions; air temperature (°F); dew point temperature (°F); relative humidity; wind direction (N, NE, E, SE, S, SW, W, or NW) and speed in miles per hour; barometric pressure (inches of mercury) and pressure tendency, as applicable; and general remarks (e.g., fog, haze, horizontal visibility, wind chill/heat indices, etc.). As long as an observation is available the following locations may be contained in the Latin America and Caribbean Hourly Weather Roundup:

Central America:

Belize City, Belize	Tegucigalpa, Honduras
San Jose, Costa Rica	Managua, Nicaragua
San Salvador, El Salvador	Panama City, Panama
Guatemala City, Guatemala	

Caribbean:

Aruba	Santo Domingo, Dominican Republic
Barbados	St. Croix, Virgin Islands (U.S.)
Grenada	St. Kitts
Nassau, Bahamas	St. Lucia
Port-Au-Prince, Haiti	St. Maarten
San Juan, Puerto Rico	St. Thomas, Virgin Islands (U.S.)

Mexico:

Acapulco	Cuernavaca	Los Cabos
Aguascalientes	Culiacan	Los Mochis
C. Del Carmen	Del Bajio	Manzanillo
Cabo	Durango	Matamoros
Campeche	Guadalajara	Mazatlan
Cancun	Guaymas	
Chetumal	Hermosillo	
Chihuahua	Juarez	
Ciud. Victoria	La Paz	
Colima	Leon	
Cozumel	Loreto	

Merida	Piedras Negras	Tepic
Mexicali	Poza Rica	Tijuana
Mexico City	P. Vallarta	Toluca
Morelia	Puebla	Torreon
Minatitlan	Queretaro	Tux. Gutierrez
Monclova	Reynosa	Uruapan
Monterrey	S. Luis Potosi	Veracruz
Morelia	Saltillo	Victoria
Nuevo Laredo	San Lucas	Villahermosa
Oaxaca	Santa Rosalia	Zacatecas
Obregon	Tampico	Zihuatanejo
P. Escondido	Tapachula	

5.3.4 Format. Example of Latin America and Caribbean Hourly Weather Roundup:

ASUS45 KEWX 311212
SWRMX

LATIN AMERICA AND CARIBBEAN HOURLY WEATHER ROUNDUP
NATIONAL WEATHER SERVICE AUSTIN/SAN ANTONIO TX
700 AM CDT WED JUL 31 2002

NOTE: "FAIR" INDICATED FEW OR NO CLOUDS BELOW 12,000 FEET WITH NO
SIGNIFICANT WEATHER AND/OR OBSTRUCTIONS TO VISIBILITY.

BAJA CALIFORNIA

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
TIJUANA	PTCLDY	61	57	88	NW3	30.01F	FOG

NORTHWESTERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
DURANGO	MOCLDY	61	59	94	E3	30.29S	
HERMOSILLO	MOCLDY	82	68	61	CALM	29.96	

NORTHEASTERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
CHIHUAHUA	PTCLDY	66	64	94	CALM	30.19	
VICTORIA	PTCLDY	77	73	88	S14	30.06	
MATAMOROS	CLEAR	77	77	100	CALM	30.00	
MONCLOVA	CLEAR	75	63	64	E5	30.05	
NUEVO LAREDO	CLEAR	79	72	78	SE7	30.02	
PIEDRAS NEGRAS	CLEAR	77	72	83	S12	29.97	
REYNOSA	CLEAR	79	77	94	S9	29.92S	
SALTILLO	CLEAR	68	54	60	S9	30.18	
MONTERREY	PTCLDY	72	66	83	E3	30.04F	
TORREON	PTCLDY	68	63	83	CALM	30.18	

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WESTERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
COLIMA	CLEAR	73	63	68	CALM	N/A	
DEL BAJIO	MOCLDY	59	54	82	CALM	30.28S	
GUADALAJARA	PTCLDY	61	54	77	CALM	30.21F	
MAZATLAN	MOCLDY	77	66	69	N5	29.92F	
P. VALLARTA	MOCLDY	75	72	88	CALM	29.96	
URUAPAN	PTCLDY	N/A	N/A	N/A	CALM	30.20	
ZACATECAS	PTCLDY	52	48	87	CALM	30.26R	

CENTRAL MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
CUERNAVACA	PTCLDY	70	55	60	CALM	30.20	
MEXICO CITY	PTCLDY	59	48	67	W5	30.42S	
S. LUIS POTOSI	MOCLDY	55	55	100	CALM	30.35R	FOG
TAMPICO	MOCLDY	77	72	83	CALM	29.99S	FOG
TOLUCA	FOG	46	46	100	CALM	30.40F	VSB 1

SOUTHERN MEXICO

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
ACAPULCO	MOCLDY	79	72	78	CALM	29.89S	
OAXACA	CLOUDY	64	55	72	CALM	30.26F	
VERACRUZ	MOCLDY	77	73	88	CALM	30.00S	

YUCATAN PENINSULA

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
CAMPECHE	FOG	75	73	94	CALM	N/A	VSB 1/2
CANCUN	PTCLDY	79	79	100	SE5	30.03R	
C. DEL CARMEN	MOCLDY	79	77	94	E12	30.00F	HAZE
COZUMEL	MOCLDY	79	75	89	CALM	29.98	
MERIDA	MOCLDY	79	79	100	E5	30.00R	FOG
MINATITLAN	CLOUDY	79	77	94	E7	30.00S	
TAPACHULA	MOCLDY	75	73	94	CALM	29.95	
TUX. GUTIERREZ	FOG	66	66	100	NE5	30.14	VSB 1/2
VILLAHERMOSA	MOCLDY	77	75	94	E7	29.97	

CENTRAL AMERICA

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
BELIZE CITY	MOCLDY	77	77	100	MISG	N/A	
SAN JOSE	N/A	72	63	73	E15	N/A	
SAN SALVADOR	MOCLDY	73	72	94	N2	29.93S	
GUATEMALA CITY	PTCLDY	63	61	94	N9	N/A	
TEGUCIGALPA	MOCLDY	66	66	100	CALM	N/A	
MANAGUA	PTCLDY	75	73	94	S5	29.90R	
PANAMA CITY	TSTM	75	73	94	CALM	N/A	

CARIBBEAN

CITY	SKY/WX	TMP	DP	RH	WIND	PRES	REMARKS
GRENADA	PTCLDY	84	77	79	E14	N/A	HX 94
NASSAU	MOSUNNY	82	79	89	VRB2	N/A	HX 92
SAN JUAN	SUNNY	82	73	74	CALM	30.03R	
SANTO DOMINGO	MOSUNNY	79	75	89	N5	N/A	
ST. CROIX	MOSUNNY	81	75	83	N3	30.03R	
ST. KITTS	PTCLDY	82	77	83	E5	N/A	HX 91
ST. THOMAS	SUNNY	82	75	78	E6	30.02S	

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5.4 Updates, Amendments, and Corrections. This product is not updated or amended. Corrections are made as necessary.

6. **Pan American Temperature and Precipitation Table (product category TPTPAN).**

6.1 Mission Connection. This is a collection of temperature and precipitation data for selected cities in Mexico, Central and South America, and the Caribbean area. It provides general weather conditions two times per day for general public use domestically and internationally.

6.2 Issuance Guidelines.

6.2.1 Creation Software. TPTPAN is automatically generated in N-AWIPS and quality-controlled by a Tropical Prediction Center (TPC) meteorologist before transmission.

6.2.2 Issuance Criteria. This is a routine, scheduled product.

6.2.3 Issuance Time. TPTPAN is prepared by the TPC in Miami, Florida, twice daily at about 0200 UTC and 1400 UTC.

6.2.4 Valid Time. The product is valid upon transmission.

6.2.5 Product Expiration Time. The product expires with the next issuance.

6.3 Technical Description. The TPTPAN will follow the format and content described in this section.

6.3.1 MND Broadcast Line. Not applicable.

6.3.2 MND Header. The MND Header for TPTPAN is "PAN AMERICAN TEMPERATURE AND PRECIPITATION TABLES."

6.3.3 Content. TPTPAN provides general weather conditions, high and low temperatures in degrees Fahrenheit (°F) and degrees Celsius (°C), and observed precipitation in either 6, 12, or 24 hours, as indicated, for selected cities in Mexico, Central and South America, and the Caribbean area. The morning product contains the low temperature for the current day and the high temperature from the previous day. The evening product contains the low and high temperature for the current day. Specific cities are listed below in the product example.

6.3.4 Format. Example of TPTPAN Message (Morning Issuance):

SXCA01 KNHC 221405
TPTPAN

PAN AMERICAN TEMPERATURE AND PRECIPITATION TABLES
NWS TPC/NATIONAL HURRICANE CENTER MIAMI FL
700 AM EST WED JAN 22 2003

WEATHER AT 700AM EST
LOWEST TEMPERATURE WEDNESDAY...HIGHEST TEMPERATURES PREVIOUS DAY
TEMPERATURES IN BOTH FAHRENHEIT AND CELSIUS
PRECIPITATION FOR THE PAST 6, 12 OR 24 HOURS AS INDICATED

	WEATHER	HIGH F/C	LOW F/C	PCPN IN	TIME HR
ACAPULCO	FAIR	87 31	64 18		
BARBADOS	FAIR	85 30	72 22	0.35	24
BERMUDA	RAIN	70 22	59 15	0.55	24
BOGOTA	FOG	70 21	37 3		
CURACAO	PTCLDY	85 30	74 24	0.35	24
FREEPORT	FAIR	73 23	52 11		
GUADALAJARA	FAIR	78 26	41 5		
GUADELOUPE	FAIR	86 30	70 21	0.08	24
HAVANA	FOG	75 24	44 7		
KINGSTON	FAIR	86 30	75 24		
MONTEGO BAY	FAIR	89 32	70 22		
MAZATLAN	FAIR	84 29	53 12		
MERIDA	FAIR	84 29	57 14		
MEXICO CITY	FAIR	73 23	42 6		
MONTERREY	FAIR	95 35	60 16		
NASSAU	FAIR	73 23	49 10		
SAN JUAN PR	FAIR	84 29	69 21		
ST THOMAS	FAIR	86 30	73 23		
TEGUCIGALPA	DRIZZLE	81 27	65 19		
TRINIDAD	FAIR	87 31	69 21		
VERACRUZ	HAZE	78 26	64 18		

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6.4 Updates, Amendments, and Corrections. This product not updated or amended. Corrections are made as necessary.

7. **Latin American Temperature and Weather Table (product category TPTLAT).**

7.1 **Mission Connection.** This is a collection of observed weather conditions and temperatures at 0000 UTC and 1200 UTC for selected cities in Mexico, Central and South America, and the Caribbean. This product is for general public use domestically and internationally.

7.2 **Issuance Guidelines.**

7.2.1 **Creation Software.** TPTLAT is automatically compiled by the National Weather Service Telecommunications Gateway (NWSTG) software.

7.2.2 **Issuance Criteria.** This is a routine, scheduled product.

7.2.3 **Issuance Time.** TPTLAT is transmitted approximately two hours after observation time.

7.2.4 **Valid Time.** This product is valid upon transmission.

7.2.5 **Product Expiration Time.** Product expires with the next issuance.

7.3 **Technical Description.** TPTLAT will follow the format and content described in this section.

7.3.1 **MND Broadcast Line.** Not applicable.

7.3.2 **MND Header.** The MND Header for TPTLAT is: "LATIN AMERICAN TEMP AND WEATHER TABLE."

7.3.3 **Content.** TPTLAT provides general weather conditions and temperatures in degrees Fahrenheit (°F) and degrees Celsius (°C) twice daily for selected cities in Latin America. Specific cities for the product are listed below in the product example.

7.3.4 **Format.** Example of TPTLAT Message:

ABXX07 KWBC 280000
TPTLAT

LATIN AMERICAN TEMP AND WEATHER TABLE
NWS TELECOMMUNICATION OPERATIONS CENTER SILVER SPRING MD
0000 UTC TUE MAY 28 2002

	PRESENT	LOCAL	TEMPS	
CITY	WEATHER	TIME	F	C
ANTIGUA	CLDY	8PM	81	27
ASUNCION	WINDY	8PM	73	23
BELIZE CITY	CLDY	6PM	82	28
BOGOTA	PRECIP	7PM	55	13

BRIDGETOWN	PTCLDY	8PM	81	27
BUENOS AIRES	CLDY	9PM	64	18
CARACAS	PTCLDY	8PM	79	26
CAYENNE	CLDY	9PM	77	25
GEORGETOWN	CLDY	8PM	77	25
GUATEMALA CITY	PTCLDY	6PM	73	23
HAVANA	CLDY	7PM	79	26
KINGSTON	WINDY	7PM	79	26
LA PAZ	FAIR	8PM	39	4
LIMA	FAIR	7PM	64	18
MANAGUA	RAIN	6PM	79	26
MEXICO CITY	WINDY	6PM	81	27
MONTEVIDEO	CLDY	9PM	63	17
PANAMA CITY	PTCLDY	6PM	84	29
PARAMARIBO		8PM	NO	DATA
PORT AU PRINCE	CLDY	8PM	81	27
PORT OF SPAIN	CLDY	8PM	77	25
QUITO	RAIN	7PM	52	11
RIO DE JANEIRO	PTCLDY	9PM	70	21
SAINT THOMAS	FAIR	8PM	81	27
SAN JOSE	RAIN	6PM	68	20
SAN JUAN	FAIR	8PM	79	26
SAN SALVADOR	CLDY	6PM	75	24
SANTIAGO	CLDY	8PM	48	9
SANTO DOMINGO	CLDY	7PM	81	27
SAO PAULO	MIST	9PM	59	15
TEGUCIGALPA	RAIN	6PM	70	21

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7.4 Updates, Amendments, and Corrections. This product is not updated or amended. Corrections are made as necessary.

8. Hourly Temperature/Weather for North American Cities (product category TPTNAM).

8.1 Mission Connection. This product contains the current temperature and abbreviations/symbols for the weather for selected North American cities. The product is intended for general public use domestically and internationally.

8.2 Issuance Guidelines.

8.2.1 Creation Software. TPTNAM is automatically compiled by the NWS Telecommunications Gateway.

8.2.2 Issuance Criteria. This is a routine, scheduled product.

8.2.3 Issuance Time. TPTNAM is transmitted approximately 30 minutes after observation time.

8.2.4 Valid Time. This product is valid upon transmission.

8.2.5 Product Expiration Time. Product expires with the next issuance.

8.3 Technical Description. TPTNAM will follow the format and content described in this section.

8.3.1 MND Broadcast Line. Not applicable.

8.3.2 MND Header. The MND Header for TPTNAM is:“HOURLY TEMPERATURE/WEATHER FOR NORTH AMERICAN CITIES.”

8.3.3 Content. TPTNAM provides general weather conditions and temperatures in degrees Fahrenheit (°F) and degrees Celsius (°C) hourly for selected foreign cities. Specific cities for the product are listed below in the product example.

8.3.4 Format. Example of TPTNAM Message:

ABNA26 KWBC 101430
TPTNAM

HOURLY TEMPERATURE/WEATHER FOR NORTH AMERICAN CITIES
NWS TELECOMMUNICATION OPERATIONS CENTER SILVER SPRING MD
900 AM EST MON FEB 10 2003

CITY	F	C	WEATHER
ACAPULCO	NO DATA		
BERMUDA	66	19	WINDY
CALGARY	26	-3	CLDY
FREEPORT	77	25	CLDY
HAVANA	71	22	MISTY
KINGSTON	84	29	FAIR
MERIDA	71	22	MISTY
MEXICO CITY	51	11	FAIR
MONTREAL	17	-8	-SHSN
NASSAU	78	26	PCLDY
OTTAWA	15	-9	CLDY
REGINA	-18	-28	MISTY
ST. THOMAS VI	73	23	RA
SAN JUAN	80	27	PCLDY
TORONTO	23	-5	CLDY
WINNIPEG	-20	-29	FAIR

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8.4 Updates, Amendments, and Corrections. This product is not updated or amended. Corrections are made as necessary.

9. **Foreign Temperature and Weather Table (product category TPTINT).**

9.1 **Mission Connection.** This product contains weather conditions and temperatures for selected foreign cities. The product is intended for general public use domestically and internationally.

9.2 **Issuance Guidelines.**

9.2.1 **Creation Software.** TPTINT is automatically compiled by the NWS Telecommunications Gateway.

9.2.2 **Issuance Criteria.** This is a routine, scheduled product.

9.2.3 **Issuance Time.** TPTINT is transmitted approximately two hours after observation time.

9.2.4 **Valid Time.** This product is valid upon transmission.

9.2.5 **Product Expiration Time.** The product expires with the next issuance.

9.3 **Technical Description.** TPTINT will follow the format and content described in this section.

9.3.1 **MND Broadcast Line.** Not applicable.

9.3.2 **MND Header.** The MND Header for TPTINT is: "FOREIGN TEMPERATURE AND WEATHER TABLE".

9.3.3 **Content.** TPTINT provides general weather conditions and temperatures in degrees Fahrenheit (°F) and degrees Celsius (°C) for selected foreign cities at 0000 UTC and 1200 UTC. Specific cities for the product are listed below in the product example.

9.3.4 **Format. Example of TPTINT Message:**

ABXX06 KWBC 280000
TPTINT

FOREIGN TEMPERATURE AND WEATHER TABLE
NWS TELECOMMUNICATION OPERATIONS CENTER SILVER SPRING MD
0000 UTC MAY 28 2002

CITY	PRESENT WEATHER	LOCAL TIME	TEMPS F C	
ABERDEEN	HAZE	1AM	46	8
ABIDJAN	CLDY	MDNT	82	28
ALGIERS	MISTY	MDNT	57	14
AMSTERDAM	FAIR	1AM	50	10
ANKARA	FAIR	3AM	57	14
ATHENS		2AM	NO	DATA
AUCKLAND	RAIN	NOON	57	14

NWSI 10-502 MAY 15, 2003

BARCELONA	PTCLDY	1AM	55	13
BEIJING	FAIR	8AM	68	20
BEIRUT	CLDY	2AM	68	20
BERLIN	CLDY	1AM	61	16
BONN	FAIR	1AM	54	12
BRUSSELS	FAIR	1AM	48	9
CAIRO	FAIR	2AM	70	21
CAPE TOWN	PTCLDY	1AM	55	13
CASABLANCA	PTCLDY	MDNT	57	14
COPENHAGEN	FAIR	1AM	50	10
DAKAR	FAIR	MDNT	73	23
DAR ES SALAAM		3AM	NO	DATA
DUBLIN	CLDY	1AM	50	10
FRANKFURT	RAIN	1AM	54	12
GENEVA	CLDY	1AM	45	7
HARARE		2AM	NO	DATA
HELSINKI	FAIR	2AM	43	6
HO CHI MINH CTY	CLDY	8AM	77	25
HONG KONG	PTCLDY	8AM	82	28
ISTANBUL	CLDY	2AM	63	17
JERUSALEM		2AM	NO	DATA
KARACHI	PTCLDY	5AM	84	29
LAGOS		1AM	NO	DATA
LILLE FAIR		1AM	48	9
LISBON	PTCLDY	1AM	57	14
LONDON	CLDY	1AM	50	10
MADRID	FAIR	1AM	54	12
LUQA	FAIR	1AM	68	20
MANILA	PTCLDY	8AM	86	30
MOSCOW	FAIR	3AM	41	5
MUNICH	CLDY	1AM	48	9
NAIROBI	CLDY	3AM	59	15
NASSAU	RAIN	7PM	73	23
NEW DELHI	HAZE	6AM	72	22
NICE	PTCLDY	1AM	63	17
OSLO	RAIN	1AM	50	10
PARIS	FAIR	1AM	48	9
PRETORIA	CLEAR	2AM	54	12
RIYADH	FAIR	3AM	84	29
ROME	RAIN	1AM	59	15
SARAJEVO		2AM	NO	DATA
SEOUL		9AM	68	20
SEVILLA		1AM	NO	DATA
SHANGHAI	HAZE	8AM	73	23
SINGAPORE	CLDY	8AM	81	27
SOFIA	FAIR	2AM	54	12
ST. PETERSBURG	FAIR	3AM	43	6
STOCKHOLM	CLDY	1AM	57	14
SYDNEY	CLDY	10AM	59	15
TAIPEI	HAZE	8AM	81	27
TOKYO	FAIR	9AM	66	19
TUNIS	FAIR	1AM	68	20
VIENNA	FAIR	1AM	61	16
WARSAW	RAIN	1AM	63	17
ZURICH		1AM	NO	DATA

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9.4 Updates, Amendments, and Corrections. This product is not updated or amended. Corrections are made as necessary.

10. **Storm Summaries (product categories SCCNS1-5).**

10.1 Mission Connection. The Hydrometeorological Prediction Center (HPC) issues storm summaries for major winter storms or widespread flash flooding events. This product is for the general meteorological community (including the private sector and the media) and supports the public weather program.

10.2 Issuance Guidelines.

10.2.1 Creation Software. These products are generated in the AWIPS text editor (manual) or other PC-based text editor software.

10.2.2 Issuance Criteria. These products are non-routine, event-driven.

10.2.3 Issuance Time. The issuance time of these products is variable. Issuance of Storm Summaries is subject to available staffing in HPC and is at the discretion of the senior forecaster on duty in HPC's Forecast Operations Branch.

10.2.4 Valid Time. Storm Summaries are valid upon transmission.

10.2.5 Product Expiration Time. Products expire with the next issuance.

10.3 Technical Description. Storm Summaries will follow the format and content described in this section.

10.3.1 MND Broadcast Line. Not applicable.

10.3.2 MND Header. Variable.

10.3.3 Content. This is a free text product which summarizes meteorological elements of either an ongoing storm or a final report describing aspects of the life cycle of a recently ended storm. Storm Summaries are generated for events of major regional or national significance only. Many geographical references used in the product are based on the maps available in NWS Instruction 10-503, Appendix E. Note: Storm Summaries issued for widespread flash flooding are separate from the National Hydrologic Summary produced by NWS Headquarters (Hydrologic Services Division).

10.3.4 Format. Example of Storm Summary Message.

ACUS41 KWBC 072218
SCCNS1

NWSI 10-502 MAY 15, 2003

STORM SUMMARY NUMBER 1
NWS HYDROMETEOROLOGICAL PREDICTION CENTER CAMP SPRINGS MD
515 PM EST FRI FEB 7 2003

...WINTER STORM SUMMARY FOR MID-ATLANTIC/COASTAL NEW ENGLAND
SNOW STORM...

THE FAST MOVING WINTER STORM THAT RACED ACROSS THE REGION
THURSDAY NIGHT AND FRIDAY IS MOVING QUICKLY OUT INTO THE ATLANTIC
THIS EVENING. IN IT/S WAKE...A SWATH OF HEAVY SNOW FELL FROM THE
SOUTHERN APPALACHIANS INTO THE MID-ATLANTIC STATES AND
SOUTHEASTERN NEW ENGLAND. THE HEAVIEST SNOWS...AROUND ONE
FOOT...FELL ACROSS PORTIONS OF SOUTHEASTERN NEW ENGLAND.

WINTER STORM WARNINGS ARE STILL IN EFFECT THROUGH 7 PM FRIDAY FOR
PORTIONS OF SOUTHEASTERN NEW ENGLAND.

AT 5 PM FRIDAY EVENING...THE SURFACE LOW ASSOCIATED WITH THIS
STORM WAS ABOUT 125 MILES SOUTHEAST OF CAPE COD...OR 40.2N 68.3W.
THE LOW WAS MOVING RAPIDLY EASTWARD.

SELECTED STORM TOTALS...SNOWFALL

GEORGIA

DAWSON 1-2 INCHES

SOUTH CAROLINA

LAKE TOXAWAY 6-8 INCHES

NORTH CAROLINA

WINSTON-SALEM 2 INCHES

VIRGINIA

BEECH MOUNTAIN 8 INCHES
KING GEORGE 7 INCHES
CAROLINE CO. 6-7 INCHES
FAIRFAX 6 INCHES
MANASSAS 6 INCHES
FREDRICKSBURG 6 INCHES
WASHINGTON NWS 6 INCHES

MARYLAND

NORTH BEACH 8 INCHES
COLORA 8 INCHES
BELTSVILLE 7 INCHES
WASHINGTON DC 7 INCHES
ANNAPOLIS 7 INCHES
BALTIMORE 7 INCHES
WALDORF 6 INCHES

PENNSYLVANIA

BOYERTOWN	8 INCHES
PHILADELPHIA	7 INCHES
SALISBURY	7 INCHES
VALLEY FORGE	6 INCHES

DELAWARE

WOODSIDE	8 INCHES
DOVER AFB	5 INCHES

(SOME CONTENTS DELETED FOR BREVITY)

THIS WILL BE THE ONLY SUMMARY FOR THIS WINTER STORM.

ECKERT/KELLS

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10.4 Updates, Amendments, and Corrections. Storm Summaries are not updated or amended. HPC will issue corrections as necessary.